



# Maricopa County Assessor's Office API Documentation

## Headers

Once you receive your token, the next step is to add a custom header to your request (documentation varies between languages and transports). We use a custom header name of AUTHORIZATION with a value of your token and user-agent with a value of null. Listed below are some links to various examples of tools that are commonly used to access a RESTful API.

cURL (PHP/Command Line): [https://curl.haxx.se/libcurl/c/CURLOPT\\_HTTPHEADER.html](https://curl.haxx.se/libcurl/c/CURLOPT_HTTPHEADER.html)

GuzzleHTTP (PHP): <http://docs.guzzlephp.org/en/stable/request-options.html>

node.js (using Request): <https://github.com/request/request>

C#/ASP.NET/ASP.NET Core: <https://docs.microsoft.com/en-us/dotnet/api/system.net.webrequest.headers?view=netframework-4.7.1#System.Net.WebRequest.Headers>

If you need a token please use the [contact us form](#) in the upper right hand corner of the website and select the option "API Question/Token."

## Description Of Usual Server Responses:

- 200 OK - the request was successful (some API calls may return 201 instead).
- 201 Created - the request was successful and a resource was created.
- 204 No Content - the request was successful but there is no representation to return (i.e. the response is empty).
- 400 Bad Request - the request could not be understood or was missing required parameters.
- 401 Unauthorized - authentication failed or user doesn't have permissions for requested operation.
- 403 Forbidden - access denied.
- 404 Not Found - resource was not found.
- 405 Method Not Allowed - requested method is not supported for resource.

## Search Functions

## Parameters

{query}

URL encoded query to search for

# Search Property

**Description:** Searches all data points available. Returns a structured JSON result set with Real Property, BPP, MH, Rentals, Subdivisions, and Content along with totals found.

**Path:** /search/property/?q={query}

**Example:** <https://mcassessor.maricopa.gov/search/property/?q={query}>

## Paging within property results

Results are returned at 25 results at a time. To access results after 25 simply add the page number. For example, if there are 250 results and you want to access results 201-225, then that would be page 9.

**Path:** /search/property/?q={query}&page={number}

**Example:** <https://mcassessor.maricopa.gov/search/property/?q={query}&page=9>

# Search Subdivisions

**Description:** Searches only subdivision names. Returns a structured JSON result set with a list of subdivision names and parcel counts.

**Path:** /search/sub/?q={query}

**Example:** <https://mcassessor.maricopa.gov/search/sub/?q={query}>

# Search Rentals

**Description:** Searches only rental registrations. Returns a structured JSON result set with only rental registrations.

**Path:** /search/rental/?q={query}

**Example:** <https://mcassessor.maricopa.gov/search/rental/?q={query}>

## Paging within rental results

Results are returned at 25 results at a time. To access results after 25 simply add the page number. For example, if there are 250 results and you want to access results 201-225, then that would be page 9.

**Path:** /search/ rentals /?q={query}&page={number}

**Example:** <https://mcassessor.maricopa.gov/search/ rentals /?q={query}&page=9>

# Parcel Functions

## Parameters

**{apn}**

APN (Assessor Parcel Number or APN for short) must be formatted with (or without) spaces, dashes, or dots.

## Parcel Details

**Description:** Returns a JSON object with all available parcel data.

**Works with parcel type(s):** Residential, Commercial, Land, Agriculture

**Path:** /parcel/{apn}

**Example:** <https://mcassessor.maricopa.gov/parcel/{apn}>

## Property Information

**Description:** Returns a JSON object with information specific to the property.

**Works with parcel type(s):** Residential, Commercial, Land, Agriculture

**Path:** /parcel/{apn}/propertyinfo

**Example:** <https://mcassessor.maricopa.gov/parcel/{apn}/propertyinfo>

## Property Address

**Description:** Returns a JSON object with address of the property.

**Works with parcel type(s):** Residential, Commercial, Land, Agriculture

**Path:** /parcel/{apn}/address

**Example:** <https://mcassessor.maricopa.gov/parcel/{apn}/address>

## Valuation Details

**Description:** Returns a JSON object with the past 5 years of valuation data from a parcel.

**Works with parcel type(s):** Residential, Commercial, Land, Agriculture

**Path:** /parcel/{apn}/valuations

**Example:** <https://mcassessor.maricopa.gov/parcel/{apn}/valuations>

# Residential Details

**Description:** Returns a JSON object with all the available residential parcel data. Does not apply to commercial, land or agriculture parcels.

**Works with parcel type(s):** Residential, Commercial, Land

**Path:** /parcel/{apn}

**Example:** <https://mcassessor.maricopa.gov/parcel/{apn}/residential-details>

# Owner Details

**Description:** Returns a JSON object with all available parcel data.

**Works with parcel type(s):** Residential, Commercial, Land, Agriculture

**Path:** /parcel/{apn}/owner-details

**Example:** <https://mcassessor.maricopa.gov/parcel/{apn}/owner-details>

# MCR

**Description:** Returns a JSON object ...

**Works with parcel type(s):** Residential, Commercial, Land, Agriculture

**Path:** /parcel/mcr/{mcr}

**Example:** <https://mcassessor.maricopa.gov/parcel/mcr/{mcr}>

## Paging within rental results

Results are returned at 25 results at a time. To access results after 25 simply add the page number. For example, if there are 250 results and you want to access results 201-225, then that would be page 9.

**Path:** /parcel/mcr/{mcr}?page={number}

**Example:** <https://mcassessor.maricopa.gov/parcel/mcr/{mcr}?page=9>

# Section/Township/Range (STR)

**Description:** Returns a JSON object ...

**Works with parcel type(s):** Residential, Commercial, Land, Agriculture

**Path:** /parcel/str/{str}

**Example:** <https://mcassessor.maricopa.gov/parcel/str/{str}>

## Paging within rental results

Results are returned at 25 results at a time. To access results after 25 simply add the page number. For example, if there are 250 results and you want to access results 201-225, then that would be page 9.

**Path:** /parcel/str/{str}/?page={number}

**Example:** <https://mcassessor.maricopa.gov/parcel/str/{str}/?page=9>

# MapID (Map Ferret/Plat Map) Functions

## Parameters:

**{apn}**

APN (Assessor Parcel Number or APN for short) must formatted with (or without) spaces, dashes, or dots.

**{mcr}**

MCR Number.

**{sub}**

Subdivision name. Must be URL encoded.

**{str}**

Section/Township/Range. Can be formatted with dashes only.

**{book}**

Three digit book portion of an APN.

**{map}**

Two digit map portion of an APN.

## Parcel Map(s)

**Description:** Returns a JSON array of map file names.

**Path:** /mapid/parcel/{apn}

**Example:** <https://mcassessor.maricopa.gov/mapid/parcel/{apn}>

## Book/Map Map(s)

**Description:** Returns a JSON array of map file names.

**Path:** /mapid/bookmap/{book}/{map}

**Example:** <https://mcassessor.maricopa.gov/mapid/bookmap/{book}/{map}>

## MCR Map(s)

**Description:** Returns a JSON array of map file names.

**Path:** /mapid/mcr/{mcr}

**Example:** <https://mcassessor.maricopa.gov/mapid/mcr/{mcr}>

# Business Personal Property/Mobile Home Functions

## Parameters:

**{acct}**

Business personal property account number.

**{type}**

Business personal property account type character. Must be lower case and must be a single letter of either 'c' for Commercial, 'm' for Multiple or 'l' for Lessor

**{year}**

Four digit tax year. Defaults to current tax year if omitted.

## BPP Account(s) Details

**Description:** Returns either account details for a single, commercial account or account details belonging to a multiple or lessor account. Optionally supply a tax year to get a list of accounts for that tax year. Tax year does not apply to commercial accounts.

**Path:** /bpp/{type}/{acct}/{year}

**Example:** <https://mcassessor.maricopa.gov/bpp/{type}/{acct}>

**Example:** <https://mcassessor.maricopa.gov/bpp/{type}/{acct}/{year}>

## Mobile Home Account

**Description:** Returns account details for an unsecured mobile home.

**Path:** /mh/{acct}

**Example:** <https://mcassessor.maricopa.gov/mh/{acct}>

# Mobile Home VIN

**Description:** Returns account number on a mobile home VIN.

**Path:** /mh/vin/{vin}

**Example:** <https://mcassessor.maricopa.gov/mh/vin/{vin}>

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